

Contents

Volume 166, March 15, 1992

WANDI WEI AND BENFU YANG (Chengdu, China) Finite Orthogonal Geometries With Characteristic $\neq 2$ and PBIB Designs. II	1
MARC A. BERGER AND YANG WANG (Atlanta, Georgia) Bounded Semigroups of Matrices	21
FRANK HANSEN (Copenhagen, Denmark) Functions of Matrices With Nonnegative Entries	29
MIRON TISMENETSKY (Heidelberg, Germany) Factorizations of Hermitian Block Hankel Matrices	45
VLASTIMIL PTÁK (Prague, Czechoslovakia) The Infinite Companion Matrix	65
W. LEDERMANN AND S. VAJDA (Falmer, Brighton, United Kingdom) On a Problem in Population Structure	97
CHE-MAN CHENG (Hong Kong, China) Independence of Eigenvalues and Independence of Singular Values of Submatrices	115
L. BRUGNANO AND D. TRIGIANTE (Bari, Italy) Tridiagonal Matrices: Invertibility and Conditioning	131
KIMMO ERIKSSON (Stockholm, Sweden) Convergence of Mozes's Game of Numbers	151
JOSEP E. PERIS AND BEGOÑA SUBIZA (Alicante, Spain) A Characterization of Weak-Monotone Matrices	167
NING LU (Houston, Texas) A Simple Presentation of the Siegel Modular Groups	185
HELENA ALBUQUERQUE (Coimbra, Portugal) AND ALBERTO ELDUQUE (Zaragoza, Spain) On the Nullity of Lie Algebras	195
LUCAS JÓDAR (Valencia, Spain) Explicit Solutions for Second-Order Operator Differential Equations With Two Boundary-Value Conditions. II	207
RONALD J. EVANS (La Jolla, California) AND GERALD A. HEUER (Moorhead, Minnesota) Silverman's Game on Discrete Sets	217
EDWARD SPENCE (Glasgow, Scotland) Eigenvalues of a Class of $(0, \pm 1)$ Symmetric Matrices	237

Table of Contents Continued

J. P. DAUER AND O. A. SALEH (Chattanooga, Tennessee)	
A Representation of the Set of Feasible Objectives in Multiple Objective Linear Programs	261
BOOK REVIEW	
BOSTWICK F. WYMAN (Columbus, Ohio)	
Review of <i>Mathematical Control Theory: Deterministic Finite Dimensional Systems</i> by Eduardo D. Sontag	277
AUTHOR INDEX	280